

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Ruben et al.

Docket No.: PZ028P2C1

Application No.: 10/849,979

Confirmation No.: 8748

Filed: May 21, 2004

Art Unit: 1646

For: Antibodies To HHPEN62 Polypeptide (As
Amended)

Examiner: P. Mertz

AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.111

Mail Stop AF

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated July 24, 2006 (Paper No. 20060720), please consider the following amendments and remarks. Applicants submit herewith **Exhibit A**, Teufel et al. "Sequence identification and characterization of human carnosinase and a closely related non-specific dipeptidase." *J Biol Chem.*, 278(8):6521-31 (2003); **Exhibit B**, Alignment between Carnosinase (AX139747) and HHPEN62 (SEQ ID NO:139); and **Exhibit C**, Vistoli et al. "Homology modeling of human serum carnosinase, a potential medicinal target, and MD simulations of its allosteric activation by citrate." *J Med Chem.* 49(11):3269-77 (2006).

- Remarks begin on page 2 of this paper.